

Date: Sun, 30 Jan 94 04:30:11 PST  
From: Ham-Ant Mailing List and Newsgroup <ham-ant@ucsd.edu>  
Errors-To: Ham-Ant-Errors@UCSD.Edu  
Reply-To: Ham-Ant@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Ant Digest V94 #18  
To: Ham-Ant

Ham-Ant Digest                      Sun, 30 Jan 94                      Volume 94 : Issue    18

Today's Topics:

                    8-el Quad-Yagi design  
                    mininec source code  
                    Need advice on FM radio antenna  
                    RG-58 and Discone ant. problem at VHF  
                    Shorter Quagis?

Send Replies or notes for publication to: <Ham-Ant@UCSD.Edu>  
Send subscription requests to: <Ham-Ant-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Ant Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-ant".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Thu, 27 Jan 1994 09:50:58 GMT  
From: sdd.hp.com!nigel.msen.com!spool.mu.edu!howland.reston.ans.net!xlink.net!  
rz.uni-karlsruhe.de!subnet.sub.net!rnihd.rni.sub.org!rnivh!root@network.ucsd.edu  
Subject: 8-el Quad-Yagi design  
To: ham-ant@ucsd.edu

sri, I couldn't send this by mail and it might be of interest for  
others, too. So I post it ...

<smtp redstone-emh2.army.mil PhillipsJ@redstone-emh2.army.mil 29999>: 550 (USER)  
Unknown user name in "PhillipsJ@redstone-emh2.army.mil"

----- Original Message -----

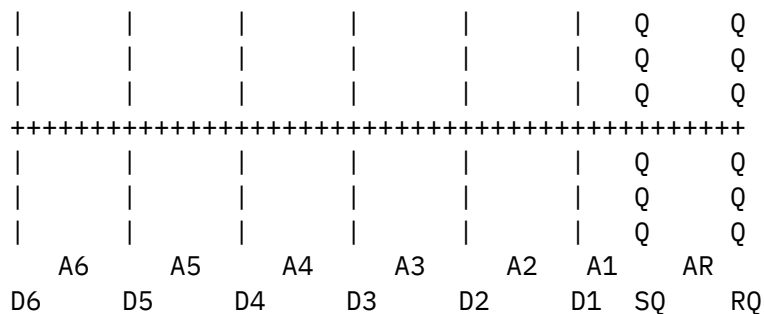
Subject: Re: Question about Qagi Antenna  
To: PhillipsJ@redstone-emh2.army.mil (Jimmy Phillips)  
Date: Mon, 10 Jan 1994 14:31:28 +0100 (MEZ)  
From: Torsten Leibold <torsten@rnivh.rni.sub.org>  
In-Reply-To: <9401061452.AB27282@relay1.UU.NET> from "Jimmy Phillips" at Jan 6, 94

03:52:16 pm

Hi Jimmy,

> > I've already built a 8-el Quagi for 70cm and am quite satisfied with  
> > it. I took the information from the "Rothammel" antenna design book,  
> > which is very famous in Germany. This information has been taken from  
> > the following source:  
> >  
> > Overbeck, W.: The VHF Quagi, QST, Newington, Conn., 1977, April, p. 11-14  
> >  
> > The inventor of this design seems to be K6YNB, don't know his name.  
> > I could send you the measures for a 8-el Quagi either for 2m or 70cm,  
> > if you're interested in it ...  
>  
>  
> Torsten,  
>  
> Thank you for replying and I would be very interested in those  
> measurements.

Alright, here you are:



A? is the distance between the two adjacent directors.

D? is the director itself, meaning its length

SQ is the emitting element, its length is meant as the total circumference

RQ is the reflector, length is measured like SQ

measurements are in millimeters (mm):

resonance freq. 144.5 MHz 432 MHz

overall length 4205 1405

RQ 2200 711

SQ 2083 676

D1 913 299

D2 908 297

D3 903 295

D4 899 293

D5 894 292  
D6 889 291  
AR 533 178  
A1 400 133  
A2 838 279  
A3 445 149  
A4 663 222  
A5 663 222  
A6 663 222

1" = 2.54 cm = 254 mm

I hope that helps ...

Bye,  
Torsten.

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0 /                               Torsten Leibold (DG4FEX)
-+-= | _-\_\_o____/_| Konrad-Adenauer-Allee 105
/ \  <[_-\_\_-----< 68519 Viernheim, Germany
      | o'                ...!subnet.sub.net!rnihd!rnivh!torsten
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Date: Thu, 27 Jan 1994 18:20:26 GMT  
From: ucsnews!sol.ctr.columbia.edu!howland.reston.ans.net!paladin.american.edu!  
darwin.sura.net!fconvx.ncifcrf.gov!mack@network.ucsd.edu  
Subject: mininec source code  
To: ham-ant@ucsd.edu

In article <steve-260194134849@brainiac.hi.com> steve@hi.com (Steve Byan) writes:  
>Is anyone aware of an ftp site that has the source for mininec?  
>

Dear Steve,  
I think (only think remember ) that mininec was written by a guy  
with the second name of Beazley , who advertises in QST, under the name  
of his software company and I doubt if the source code is available.  
Mininec is a little antiquated now. I like yagiopt (by the same guy)  
for yagis, for other antennas I don't know what's the best.

73 Joe Mack NA3T  
mack@ncifcrf.gov

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Date: 23 Jan 94 16:45:44 GMT

From: digex.net!access!ewok@uunet.uu.net  
Subject: Need advice on FM radio antenna  
To: ham-ant@ucsd.edu

I'd like to improve my reception of an FM radio station (90.5 MHz) on my home consumer-level receiver. I'd like to do this at minimal expense. I've been told that I can tap my rooftop UHF/VHF television antenna, that FM radio is in a band between television channels 6 and 7.

Is this correct and is using the TV antenna a good way for me to go? What about impedance matching - does a typical TV antenna require 75, 300, or some other impedance cable?

And if this is not a sensible way to go, what cheap alternatives exist? References to books or articles that I might find at the public library would be helpful as well.

Thanks...

Bill O'Reitz

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Date: Fri, 28 Jan 1994 00:08:39 GMT  
From: envoy.wl.com!caen!usenet.cis.ufl.edu!eng.ufl.edu!saimiri.primate.wisc.edu!sdd.hp.com!vixen.cso.uiuc.edu!howland.reston.ans.net!agate!netsys!direct!news.direct.net!kg7bk@decwrl.dec.com  
Subject: RG-58 and Discone ant. problem at VHF  
To: ham-ant@ucsd.edu

Chester Howes (chowes@nyx10.cs.du.edu) wrote:  
: A guy I know recently installed a Discone Antenna (R-S brand) and 50 ft of  
: RG 58 for his scanner. Chester F. Howes, N8GHF, <chowes@nyx.cs.du.edu>

Hi Chester, don't know much about discones but you will lose at least half your signal in 50 ft of RG-58 on 2m. RG-58 is not good for vhf/uhf.

73, Cecil, kg7bk@indirect.com

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Date: Sat, 29 Jan 94 03:07:29 -0500  
From: library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.net!noc.near.net!news.delphi.com!usenet@network.ucsd.edu  
Subject: Shorter Quagis?  
To: ham-ant@ucsd.edu

I think, (no expert) that on 2 meters u only need about 10 inches

between elements which would give you 12 elements on ur 10 ft boom.  
That should be plenty for almost anything (maybe except moonbounce)  
you would have to go to about 24 elements to get three dB more than  
the 12 element. Be glad u can put up 12 elements.

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End of Ham-Ant Digest V94 #18  
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